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~~CONFIDENTIAL~~
~~SECRET~~

1-91/165
OC-6108

1 MAY 1956

Director of Logistics

Reference No.
ENG 6-464

Director of Communications

PLEASE RETURN TO
ENGINEERING DIVISION

Request for Assignment of Task 4 to Contract [redacted] with the Soundscriber Corporation of New Haven, Connecticut. 50X1

1. This Office has a requirement to extend the development of a basic recorder mechanism previously developed under Contract [redacted] 50X1
Task 3, with the [redacted] Discussions between our 50X1
engineers and [redacted] personnel have resulted in the submission 50X1
of a proposal, herewith attached.

2. As the present Task 3 is being closed out, it is requested that Task 4 be assigned to accomplish the work as set forth in this proposal. Please note that reference is made to Task A and to Task B. This is defined by [redacted] as the development phases contemplated in that Phase 1 (Task A) must be completed, evaluated, and approved by the Government prior to the commencement of any work on Phase 2 (Task B). 50X1

3. Attached is Requisition No. MSB 56-378 in the amount of $23,543.00 chargeable to Allotment No. 6-7912-20-601. Of this, $7,165.00 is for Phase 1 and $16,369.00 for Phase 2. The association of this Task and the Contract with the Agency shall be SECRET, but all equipment and engineering reports will be UNCLASSIFIED. The project engineer assigned to this Task is [redacted] Extension [redacted] 50X1

DOC C REV DATE ____ BY 064 50X1
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JUST 22 NEXT REV 2010 AUTH: HR 70-2

H. M. McCLELLAND (INCOMPLETE)

Attachments:
(1) Contractor's Proposal
(2) Requisition No. MSB 56-378
(3) Attachment "A"- Deliverable Items

BBB FCS
OC-E/R&D-RP/FCS:mmb (27 April 1956)

Coordination:

RLM
OC-P (RDL)

cc: R&D Subject File
OC-A [redacted] 50X1
[redacted] 50X1
OC-SP/AFB
MSB (2)
R&D Vital File; Obligation File
Chrono; Dev-ep

OC-L

[redacted] 50X1

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Proposal for Cylindrical Type Tape Recorder/Reproducer

This proposal sets forth the required engineering, time and approximate costs to develop a fully completed audio magnetic tape recorder/reproducer from the "breadboard" model developed under Contract RD-93, Task III.

Because the equipment produced under the aforementioned task was only a breadboard unit developed primarily to test the principles of this method of recording, further work should be performed on the unit to ascertain the feasibility of this principle in a compleie audio recorder/reproducer.

It is proposed that this program be set up as two separate tasks.

Task "A" - Complete Investigation of Breadboard Equipment

In oraer to accomplish this, the following would be investigated:

a. ***Pressure devices to provide an acceptable interruption where head crosses tape.***

b. ***Various methods of mounting the head.***

c. ***Consideration of tape drive system.***

It is estimated that four (4) months from date ofaward this task will be completed.

The total number of hours required for this task is estimated to be 950.

Cost Estimate

50X1

Material	
Labor	
Provisional Overhead 100% of Labor	
Provisional General and Administrative 5%	
Total Costs	
Fixed Fee 8%	
Total	*$7,165.00*

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If this task indicates the feasibility of this principle for an audio tape recorder/reproducer, then Task "B" will be initiated.

Task "B" - Produce One (1) Model of a Cylindrical Recorder/Reproducer

Inasmuch as it is always necessary to develop a prototype unit prior to producing a final model of any type of equipment, it is proposed to convert the "breadboard" model completed under Task "A" into the prototype model and then to produce the final model from this prototype unit. This will result in one prototype unit and one final model. This will be done by re-engineering the bread-board unit into a prototype by:

a. *Redesigning the drive system to a more satisfactory operational system than the one designed to prove the broomstick principle.*

b. *Layout the equipment in a more compact form and in a manner more adaptable to production.*

c. *Design and produce an amplifier and the auxiliary electronic circuitry required for a complete audio recorder/reproducer.*

It is estimated that this task will be completed eight (8) months after receipt of award, or eight (8) months after completion of Task "A." The total number of hours required for this task is estimated to be 2260.

Cost Estimate

50X1

Material	
Labor	
Provisional Overhead 100% of Labor	
Provisional General and Administrative 5%	50X1
Total Costs	
Fixed Fee 8%	
Total	*$16,369.00*

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ATTACHMENT A

DELIVERABLE ITEMS

Item 1	Engineering Model of Cylindrical Type Tape Recorder Reproducer as described Phase 1, (Task A) of Technical Proposal	1 each
Item 2	Prototype Model of Cylindrical Type Tape Recorder Reproducer as described Phase 2, (Task B) of Technical Proposal	1 each
Item 3	Technical Engineering Report Describing Experiments and Results thereof of work performed on Item 1 above.	3 each

DELIVERY

The work accomplished under Phase 1 shall be completed within 4 months following date of fully executed contract. The complete engineering model of Item 1 above, together with the evaluation report of this phase shall be submitted to the Government for approval. Following Government approval Phase 2 will be inaugurated and one prototype model will be developed within 8 months following this approval.

SHIPPING INSTRUCTIONS

All engineering models, prototype models, and Government furnished equipment, if any, shall be delivered f.o.b. Government warehouse. Exact shipping instructions will be furnished when required.

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